OPERATING INSTRUCTIONS, SWAN MODEL VX-2

Automatic voice controlled transmit accessory, for use with Swan Transceiver models 250, 350, 400, 500 and 500C

(VOX means "Automatic Voice Controlled Transmit")
(PTT means "Press-to-talk")

1. Plug in the VX-2 and rotate the VOX GAIN, ANTI-VOX, and DELAY controls fully counter-clockwise. To attach the VX-2 solidly, remove the transceiver cabinet and fasten the top of the VX-2 with a 6-32 machine screw and nut.
2. Tune Transceiver for normal voice operation.
3. Rotate the transceiver MIC GAIN fully counter-clockwise. This will prevent audio from being transmitted but will not effect VX-2 operation.
4. Reduce receiver gain until no sound is heard in the speaker. This will prevent sounds from the receiver speaker from tripping the VX-2 during initial adjustments.
5. In those Transceiver Models which have a VOX-PTT switch located under the meter, place this switch in VOX position.
6. While speaking into the microphone in a normal manner, slowly rotate the VOX GAIN control clockwise until the VX-2 keys the transmitter. Do not use more VOX GAIN than necessary to assure positive operation at normal voice levels.
7. Increase the receiver gain until received signals are at a normal voice volume level. These signals will trip the VOX when picked up by the microphone.
8. With the microphone held in the normal operating position, very slowly increase the ANTI-VOX until received signals do not trip the VOX.

   NOTE: Excessive ANTI-VOX gain will cause received signals to control the VX-2 so that no amount of sound at the microphone will key the transmitter. Satisfactory balance between the VOX GAIN and ANTI-VOX is easily obtained when the microphone is a foot or more from the speaker.

9. Adjust the DELAY control until the transmitter stays on for the desired interval after you stop talking.

   NOTE: A little experimenting on the air will reveal that only a small portion of the first spoken syllable is lost when the VX-2 is actuated. Short DELAY settings will result in most efficient operation.

10. For operation with the Swan 250, simply plug the VOX unit in, adjust for normal operation as described in item 2, 3 and 6 through 9. When using PTT, turn VOX GAIN to minimum.

11. When the VX-2 is used with the Swan model 500C Transceiver, it provides also for Break-IN CW operation. For this mode, only the DELAY control on the VX-2 is used, and its setting determines how quickly the Transceiver returns to Receive after you stop keying. As soon as the telegraph key is depressed, the VX-2 unit switches the Transceiver over to transmit mode. Earlier models of Swan transceivers may be easily modified to take advantage of this feature. Information is available on request.

Swan Electronics Corporation
January 15, 1968

OPERATING INSTRUCTIONS - SEMI-DUPLEX VX-2

Automatic Voice Controlled Transmit Accessory, for
use with Swan Transceiver models 250, 350, 400,
500 and 500C

(VOX means "Automatic Voice Controlled Transmit")
(PTT means "Press-to-talk")

1. Plug in the VX-2 and rotate the VOX GAIN, ANTI-VOX, and DELAY controls fully counter-clockwise. To attach the VX-2 solidly, remove the transceiver cabinet and fasten the top of the VX-2 with a 6-32 machine screw and nut.
2. Turn Transceiver for normal voice operation.
3. Rotate the transceiver MIC GAIN fully counter-clockwise. This will prevent a key from being transmitted and will not effect VX-2 operation.
4. Reduce receiver gain until no sound is heard in the speaker. This will prevent a loud from the receiver speaker from tripping the VX-2 during initial adjustments.
5. In those Transceiver models which have a VOX-PTT switch located under the meter, place this switch in VOX position.
6. While speaking into the microphone in a normal manner, slowly rotate the VOX GAIN control clockwise until the VX-2 trips the transmitter. Do not use more VOX GAIN than necessary to assure positive operation at normal voice levels.
7. Increase the receiver gain until received signals are at a normal voice volume level. These signals will trip the VOX when picked up by the microphone.
8. With the microphone held in the normal operating position, very slowly increase the ANTI-VOX until received signals do not trip the VOX.

NOTE: Increasing ANTI-VOX gain will cause received signals to control the VX-2 so that no amount of sound at the microphone will key the transmitter. Satisfactory balance between the VOX GAIN and ANTI-VOX is usually obtained when the microphone is a foot or more from the speaker.

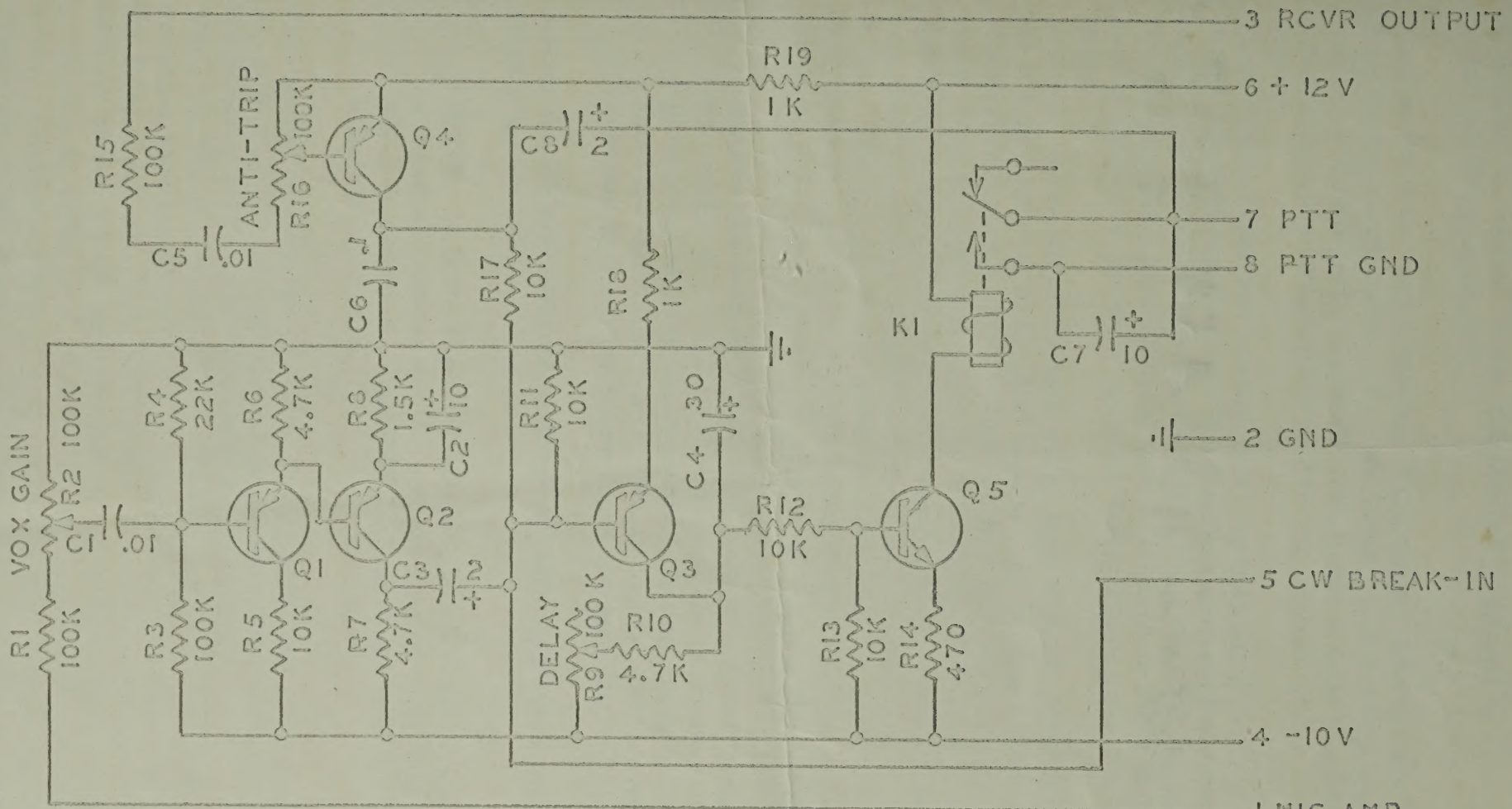
9. Adjust the DELAY control until the transmitter stays on for the desired interval after you stop talking.

NOTE: A little experimenting on the air will reveal that only a small portion of the first spoken syllable is lost when the VX-2 is activated. Short DELAY settings will result in most efficient operation.

10. For operation with the Swan 350, simply plug the VOX unit in, adjust for normal operation as described in Item 2, 3 and 4 through 8. When using PTT, turn VOX GAIN to minimum.

11. When the VX-2 is used with the Swan model 500C Transceiver, it provides also Break-IN CW operation. For this mode, only the DELAY control on the VX-2 and its setting determines how quickly the Transceiver returns to Receive after key-stop keying. As soon as the telegraph key is depressed, the VX-2 will activate the Transceiver over to transmit mode. Earlier models of Swan transceivers may easily modified to take advantage of this feature. Information is available on request.

Swan Electronics Corporation
January 15, 1962



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SWAN VOICE CONTROL TRANSMIT ACCESSORY - VX-2

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OPERATING INSTRUCTIONS, SWAN MODEL VX-2
Automatic Voice Controlled Transmit Accessory,
for use with Swan Transceivers

(VOX means "Automatic Voice Controlled Transmit")
(PTT means "Push-to-talk").

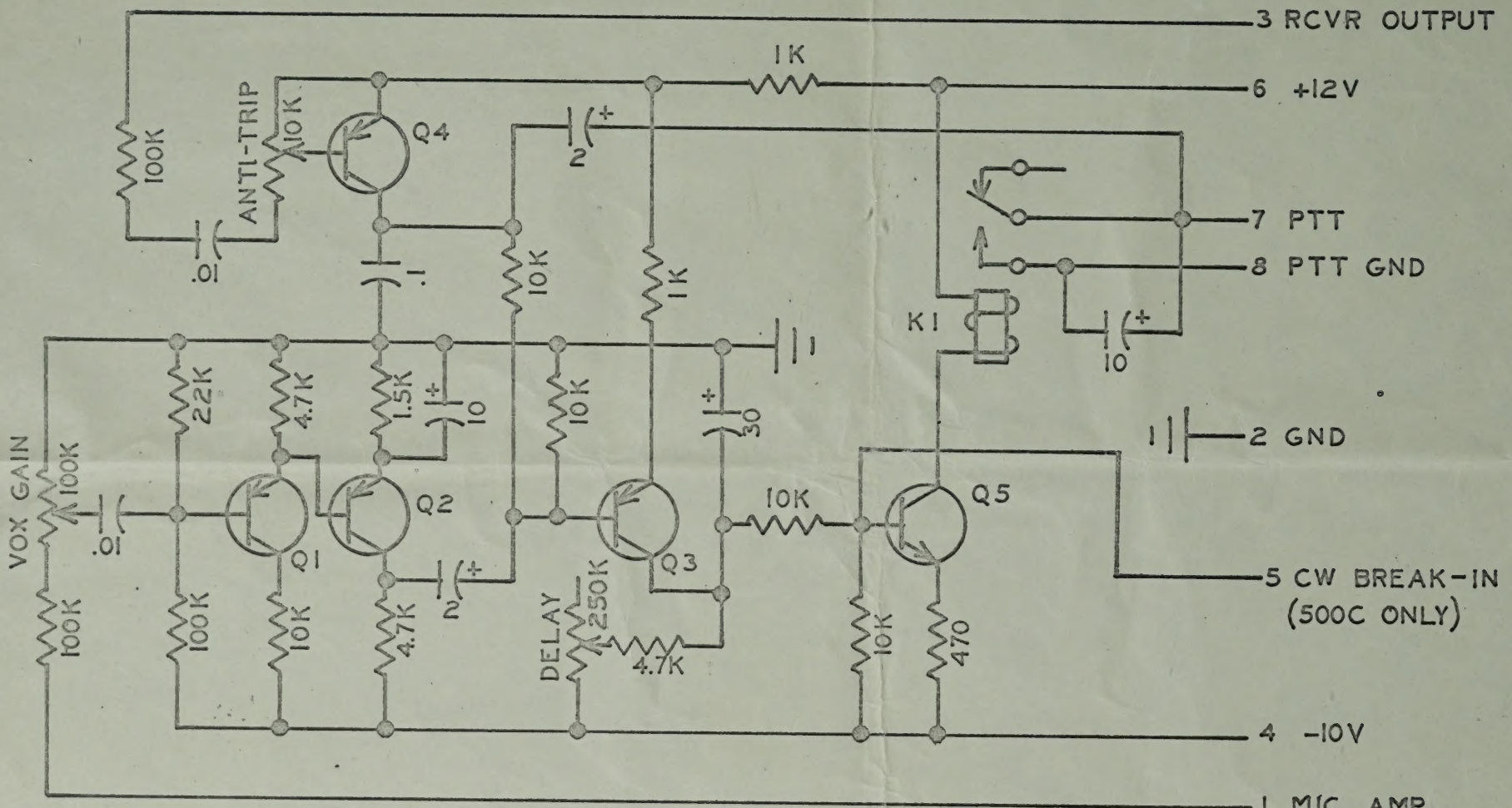
1. Plug in the VX-2 and rotate the VOX GAIN, ANTI-TRIP and DELAY controls fully counter-clockwise. To attach the VX-2 solidly remove the transceiver cabinet and fasten the top of the VX-2 with a 6-32 machine screw and nut. When using Model 270 attach the VX-2 to the cabinet with a short 8-32 self-tapping screw.
2. Tune Transceiver for normal voice operation.
3. Rotate the transceiver MIC GAIN fully counter-clockwise. This will prevent audio from being transmitted but will not effect VX-2 operation.
4. Reduce receiver gain until no sound is heard in the speaker. This will prevent sounds from the receiver speaker from tripping the VX-2 during initial adjustments.
5. In those Transceiver Models which have a VOX-PTT switch located either under the meter, or next to the dial window, place this switch in VOX position.
6. While speaking into the microphone in a normal manner, slowly rotate the VOX GAIN control clockwise until the VX-2 keys the transmitter. Do not use more VOX GAIN than necessary to assure positive operation at normal voice levels.
7. Increase the receiver gain until received signals are at a normal voice volume level. These signals will trip the VOX when picked up by the microphone.
8. With the microphone held in the normal operation position, very slowly increase the ANTI-VOX until received signals do not trip the VOX.

   NOTE: Excessive ANTI-VOX gain will cause received signals to control the VX-2 so that no amount of sound at the microphone will key the transmitter. Satisfactory balance between the VOX GAIN and ANTI-VOX is easily obtained when the microphone is a foot or more from the speaker.

9. Adjust the DELAY control until the transmitter stays on for the desired interval after you stop talking.

   NOTE: A little experimenting on the air will reveal that only a small portion of the first spoken syllable is lost when the VX-2 is actuated. Short DELAY settings will result in most efficient operation.

10. For operation with Models 250, 250C, 350C and 270, simply plug the VOX unit in, adjusting for normal operation as described in item 2, 3 and 6 through 9. When using PTT, turn VOX GAIN to minimum.
11. When the VX-2 is used with the Swan model 500C or 500CX Transceiver, it provides also for Break-In CW operation. For this mode the VOX GAIN is set fully clockwise, the ANTI-TRIP is set fully counter clockwise, and the DELAY is set for the desired amount of hold-in time. As soon as the telegraph key is depressed, the VX-2 unit switches the Transceiver over to transmit mode. Earlier models of Swan transceivers may be easily modified to take advantage of this feature. Information is available on request.



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SWAN VOICE CONTROLLED TRANSMIT ACCESSORY VX-2

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